FIG. 2

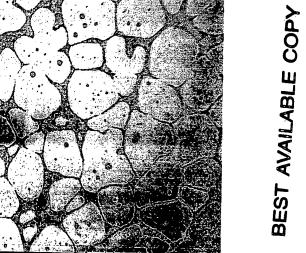


FIG. 3

 η_i

Provide body of semi-solid aluminum base alloy

Provide mold for semi-solid forming an aluminum alloy member

Inject semi-solid aluminum alloy into mold

Solidify semi-solid aluminum alloy in the mold to form a member having a globular microstructure in a lower melting eutectic matrix

Remove solidified aluminum alloy member from mold

Solution heat treat aluminum alloy member

Quench

Age to strength

FIG. 1